

INTERNATIONAL SEARCH REPORT

Internal

Application No

PCT/IB 03/01396

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q1/24 H01Q9/04 H01Q5/00 H01Q13/10 H01Q7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 672 685 A (GUNTHER ROBERT A ET AL) 9 June 1987 (1987-06-09) column 3, line 6 -column 4, line 35; figures 1,2	1,8
X	PATENT ABSTRACTS OF JAPAN vol. 011, no. 119 (E-499), 14 April 1987 (1987-04-14) & JP 61 265905 A (TOYO COMMUN EQUIP CO LTD), 25 November 1986 (1986-11-25) abstract	1,8
P, X, L	WO 02 071535 A (KONINKL PHILIPS ELECTRONICS NV) 12 September 2002 (2002-09-12) (L: priority) page 8, line 16-32; figures 14,15	1,2,4,6, 8-11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

24 July 2003

Date of mailing of the international search report

01/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 892 459 A (NOKIA MOBILE PHONES LTD) 20 January 1999 (1999-01-20) figures 1,2	1,8
A	US 5 550 554 A (ERKOCEVIC NEDIM) 27 August 1996 (1996-08-27) figure 2	1,8

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